Bruhath Bangalore Mahanagara Palike

Executive Engineer
Byatarayanapura Division
Bangalore

MEASUREMENT SHEET

(1st and Final Bill)

Name of Work : Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08.

Job Code No :- 008-19-000024

Agency Name :- Executive Engineer K.R.I.D.L

Work order No :- BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

1st and Final Bill

Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	1	
Item Name	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			8-7-2019						
For Existing road surface									
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road									
			1	30.00	4.50	4.80	4.65		139.50	
			1	30.00	5.10	5.30	5.20		156.00	
			1	30.00	5.30	5.70	5.50		165.00	
							Total Qty		460.50	Cum
							Qty limit to		460.00	
							Qty carried to summery		460.00	Cum

Asst.Engineer
Ward no.08
BBMP - Bangalore

Asst. Executive Engineer
Kodigehalli Sub Division
BBMP - Bangalore

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	2	
Item Name	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			8-7-2019				
For drain covering slabs							
Bhadrappa layout							
13th cross		1	10.00	0.75		7.50	
12th cross R/S		2	30.00	0.90		54.00	
L/S		2	30.00	0.90		54.00	
		2	30.00	0.90		54.00	
		2	30.00	0.90		54.00	
cross road-1		2	30.00	0.90		54.00	
		2	30.00	0.90		54.00	
		2	25.00	0.90		45.00	
cross road-2		2	22.00	0.90		39.60	
				Total Qty		**416.10**	**Sqm**
				Qty limit to		**415.32**	
			Qty carried to summery			**415.32**	**Sqm**

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. Bangalore.

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	3	
Item Name	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means: A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			09-07-2019						
For Existing road surface									
13th cross from 10th cross to dead end									
			1	23.80	4.50	4.80	4.65	0.15	16.60
12th cross from 10th cross House no.12 sai priya appartment to 9th cross									
			1	30.00	3.70	3.80	3.75	0.15	16.88
			1	3.90	3.80	3.80	3.80	0.15	2.22
12th cross from 10th cross to dead end road									
			1	30.00	4.90	3.80	4.35	0.15	19.58
			1	30.00	3.80	4.30	4.05	0.15	18.23
			1	30.00	4.30	6.20	5.25	0.15	23.63
			1	2.40	6.20	6.20	6.20	0.15	2.23
Cross road -1, 12th corr to dead end									

99.36

			1	26.80	2.50	3.50	3.00	0.15	12.06	
Cross road-2, 12th corr to dead end										
			1	16.50	3.20	3.20	3.20	0.15	7.92	
11th B cross from 10th cross dead end										
			1	15.00	2.10	2.20	2.15	0.15	4.84	
			1	22.30	2.20	2.00	2.10	0.15	7.02	
11th B cross from 10th cross house no.152 to dead end road										
			1	30.00	3.80	3.80	3.80	0.15	17.10	
			1	30.00	3.80	3.90	3.85	0.15	17.33	
			1	30.00	3.90	5.00	4.45	0.15	20.03	
			1	30.00	5.00	6.40	5.70	0.15	25.65	
			1	24.30	6.40	5.00	5.70	0.15	20.78	
cross road from 11th B cross to dead end										
			1	30.00	4.90	5.40	5.15	0.15	23.18	
Cross road										
			1	23.70	4.80	4.00	4.40	0.15	15.64	
							Total Qty		**270.89**	**Cum**
							Qty limit to		**270.84**	
						Qty carried to summery			**270.84**	**Cum**

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	4	
Item Name	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			10-07-2019						
For Desilting of drains									
13th cross from 10th cross to dead end									
		2	23.80	0.40	0.40	0.40	0.40	7.62	
12th cross from 10th cross House no.12 sai priya appartment to 9th cross									
		2	30.00	0.50	0.50	0.50	0.45	13.50	
		2	3.90	0.50	0.50	0.50	0.45	1.76	
12th cross from 10th cross to dead end road									
		2	30.00	0.50	0.50	0.50	0.40	12.00	
		2	30.00	0.50	0.50	0.50	0.40	12.00	
		2	30.00	0.50	0.50	0.50	0.40	12.00	
		2	2.40	0.50	0.50	0.50	0.40	0.96	
cross road-1		2	30.00	0.50	0.50	0.50	0.45	13.50	
		2	30.00	0.50	0.50	0.50	0.45	13.50	
		2	25.00	0.50	0.50	0.50	0.45	11.25	
cross road-2		2	22.00	0.50	0.50	0.50	0.45	9.90	
New Rcc drain									
11th B cross from 10th cross house no.152 to dead end road									
LHS		1	30.00	1.00	1.00	1.00	1.00	30.00	

137.98

137.98

			1	30.00	1.00	1.00	1.00	1.00	30.00	
			1	30.00	1.00	1.00	1.00	1.00	30.00	
			1	15.20	1.00	1.00	1.00	1.00	15.20	
RHS			1	30.00	1.00	1.00	1.00	1.00	30.00	
			1	30.00	1.00	1.00	1.00	1.00	30.00	
			1	30.00	1.00	1.00	1.00	1.00	30.00	
			1	20.70	1.00	1.00	1.00	1.00	20.70	
For Existing road surface									323.88	
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road										
			1	30.00	4.50	4.80	4.65	0.20	27.90	
			1	30.00	5.10	5.30	5.20	0.20	31.20	
			1	30.00	5.30	5.70	5.50	0.20	33.00	
13th cross from 10th cross to dead end										
			1	23.80	4.50	4.80	4.65	0.20	22.13	
12th cross from 10th cross House no.12 sai priya appartment to 9th cross										
			1	30.00	3.70	3.80	3.75	0.20	22.50	
			1	3.90	3.80	3.80	3.80	0.20	2.96	
12th cross from 10th cross to dead end road										
			1	30.00	4.90	3.80	4.35	0.20	26.10	
			1	30.00	3.80	4.30	4.05	0.20	24.30	
			1	30.00	4.30	6.20	5.25	0.20	31.50	
			1	2.40	6.20	6.20	6.20	0.20	2.98	
Cross road -1, 12th corr to dead end										
			1	26.80	2.50	3.50	3.00	0.20	16.08	
Cross road-2, 12th corr to dead end										
			1	16.50	3.20	3.20	3.20	0.20	10.56	
11th B cross from 10th cross dead end										
			1	15.00	2.10	2.20	2.15	0.20	6.45	
			1	22.30	2.20	2.00	2.10	0.20	9.37	
11th B cross from 10th cross house no.152 to dead end road										
			1	30.00	3.80	3.80	3.80	0.20	22.80	
			1	30.00	3.80	3.90	3.85	0.20	23.10	
			1	30.00	3.90	5.00	4.45	0.20	26.70	

663.51

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Page (I)

			1	30.00	5.00	6.40	5.70	0.20	34.20	
			1	24.30	6.40	5.00	5.70	0.20	27.70	
cross road from 11th B cross to dead end										
			1	30.00	4.90	5.40	5.15	0.20	30.90	
Cross road										
			1	23.70	4.80	4.00	4.40	0.20	20.86	
Over burden earth			10	6.50	2.00	1.80	1.90	0.65	80.28	
			6	7.00	1.80	1.50	1.65	0.75	51.98	
							Total Qty		909.42	Cum
							Qty limit to		909.36	
						Qty carried to summery			909.36	Cum

Asst.Engineer
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Bangalore.

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	5	
Item Name	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			11-07-2019						
New Rcc drain									
11th B cross from 10th cross house no.152 to dead end road									
LHS		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	15.20	1.00	1.00	1.00	0.15	2.28	
RHS		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	20.70	1.00	1.00	1.00	0.15	3.11	
For Road surface									
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road									
		1	30.00	4.50	4.80	4.65	0.15	20.93	
		1	30.00	5.10	5.30	5.20	0.15	23.40	

Tb.71

			1	30.00	5.30	5.70	5.50	0.15	24.75	
13th cross from 10th cross to dead end										
			1	23.80	4.50	4.80	4.65	0.15	16.60	
12th cross from 10th cross House no.12 sai priya appartment to 9th cross										
			1	30.00	3.70	3.80	3.75	0.15	16.88	
			1	3.90	3.80	3.80	3.80	0.15	2.22	
12th cross from 10th cross to dead end road										
			1	30.00	4.90	3.80	4.35	0.15	19.58	
			1	30.00	3.80	4.30	4.05	0.15	18.23	
			1	30.00	4.30	6.20	5.25	0.15	23.63	
			1	2.40	6.20	6.20	6.20	0.15	2.23	
Cross road -1, 12th corr to dead end										
			1	26.80	2.50	3.50	3.00	0.15	12.06	
			1	16.50	3.20	3.20	3.20	0.15	7.92	
11th B cross from 10th cross dead end										
			1	15.00	2.10	2.20	2.15	0.15	4.84	
			1	22.30	2.20	2.00	2.10	0.15	7.02	
11th B cross from 10th cross house no.152 to dead end road										
			1	30.00	3.80	3.80	3.80	0.15	17.10	
			1	30.00	3.80	3.90	3.85	0.15	17.33	
			1	30.00	3.90	5.00	4.45	0.15	20.03	
			1	30.00	5.00	6.40	5.70	0.15	25.65	
			1	24.30	6.40	5.00	5.70	0.15	20.78	
cross road from 11th B cross to dead end										
			1	30.00	4.90	5.40	5.15	0.15	23.18	
Cross road										
			1	23.70	4.80	4.00	4.40	0.15	15.64	
							Total Qty		372.35	Cum

							Qty limit to	361.92	
						Qty carried to summery		361.92	Cum

Asst.Engineer
Ward no.08
BBMP - Bangalore

Asst.Executive Engineer
Kodigehall Sub Division
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Assistant Executive Engineer,
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BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

1st and Final Bill

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	6	
Item Name	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. (Page 271, Item No. 37.59.2) wall and bottom thickness 15cms.	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			29-08-2019				
For New Rcc drain							
11th B cross from 10th cross house no.152 to dead end road							
For Bottom							
LHS		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	15.20	1.00	0.15	2.28	
RHS		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	20.70	1.00	0.15	3.11	
For Side Walls						32.39	

LHS			2	30.00	0.15	0.70	6.30	
			2	30.00	0.15	0.70	6.30	
			2	30.00	0.15	0.70	6.30	
			2	15.20	0.15	0.70	3.19	
RHS			2	30.00	0.15	0.70	6.30	
			2	30.00	0.15	0.70	6.30	
			2	30.00	0.15	0.70	6.30	
			2	20.70	0.15	0.70	4.35	
					Total Qty		77.72	Cum
					Qty Limit to		76.32	Cum

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Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	7	
Item Name	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	

SL NO	CHAINAGE / Land mark	NO	L (m)	Qty	TMT bars	Qty	Raemarks
Measurement Recorded On :			13-02-2019				
For Rcc drain							
11th B cross from 10th cross house no.152 to dead end road		Main straight bars 10mm dia, 120cm c/c Total Length=105.20/0.150=701Nos, Width=0.70+1.00+0.70=2.40Mtr					
LHS		701	2.40	1682.40	0.62	1043.09	
		Distribution bars bars 8mm dia, 120cm c/c Total Length=105.20mtr Width=0.70+1.00+0.70=2.40/0.150=16Nos					
		16	105.20	1683.20	0.62	1043.58	
11th B cross from 10th cross house no.152 to dead end road		Main straight bars 10mm dia, 120cm c/c Total Length=110.70/0.150=738Nos, Width=0.70+1.00+0.70=2.40Mtr					
RHS		738	2.40	1771.20	0.62	1098.14	

			Distribution bars bars 8mm dia, 120cm c/c Total Length=110.70mtr Width=0.70+1.00+0.70=2.40/0.150=16Nos					
			16	110.70	1771.20	0.62	1098.14	
							4282.96	
					Total Qty		**3.82**	**Tonnes**
					Limit to		**3.82**	**Tonnes**

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Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	8	
Item Name	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For drain covering slabs							
11th B cross from 10th cross house no.152 to dead end road							
LHS			1	30.00	0.90		27.00
			1	30.00	0.90		27.00
			1	30.00	0.90		27.00
			1	15.20	0.90		13.68
RHS			1	30.00	0.90		27.00
			1	30.00	0.90		27.00
			1	30.00	0.90		27.00

175.68

			1	20.70	0.90		18.63	
					Total Qty		194.31	Sqm
					Qty limit to		190.80	
					Qty carried to summery		190.80	Sqm

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	9	
Item Name	Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded)	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For drain covering slabs							
11th B cross from 10th cross house no.152 to dead end road							
LHS		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	15.20	0.90		13.68	
RHS		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	20.70	0.90		18.63	
						194.31	
		194	/	0.60		323.85	323.33

			324		3.20		1036.80	
			30		3.20		96.00	1817.75
					Total Qty		1132.80	Mtr
					Qty limit to		1130.67	
				Qty carried to summery			1130.67	Mtr

Asst.Engineer
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BBMP - Bangalore

BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

1st and Final Bill

Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	10	
Item Name	Providing one line dressing to granite stone slab / granite stone masonry as per specifications.	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For drain covering slabs							
11th B cross from 10th cross house no.152 to dead end road							
LHS		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	15.20	0.90		13.68	
RHS		1	30.00	0.90		27.00	Cafe
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	20.70	0.90		18.63	
				Total Qty		**194.31**	**Sqm**
				Qty limit to		**190.80**	
			Qty carried to summery			**190.80**	**Sqm**

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BBMP - Bangalore

BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

1st and Final Bill

Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	11	
Item Name	Providing Machine cutting for BS slab including all lead and lift as per direction of Enginner-in charge of work	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			28-08-2019				
For drain covering slabs							
11th B cross from 10th cross house no.152 to dead end road							
LHS		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	15.20	0.90		13.68	
RHS		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	20.70	0.90		18.63	
						194.31	Mtr
		194	/	0.60		323.85	Nos 323.33
		324		3.20		1036.80	

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			30		3.20		96.00	
					Total Qty		**1132.80**	**Rmtr**
					Qty limit to		**1130.67**	
				Qty carried to summery			**1130.67**	**Rmtr**

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BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

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Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	12	
Item Name	Providing and fixing Pre cast solid concrete kerb stones size 450 x 200 x 400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For Kerb stones							
11th B cross from 10th cross house no.152 to dead end road							
LHS		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	15.20			15.20	
RHS		1	30.00			30.00	
		1	30.00			30.00	
		1	30.00			30.00	
		1	20.70			20.70	
						215.90	

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			216	/	0.45		479.78	
Deduction for Shoulder drain							14.00	
					Total Qty		**465.78**	**Nos**
					Qty limit to		**458.00**	
				Qty carried to summery			**458.00**	**Nos**

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Executive Engineer Byatarayanapura Division

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Measurement sheet

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Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	13	
Item Name	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications..	

SL NO	CHAINAGE / Land mark		NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :				22-08-2019				
For Kerb stones								
			458		0.45	0.40	82.44	
					Total Qty		**82.44**	**Sqm**
					Qty limit to		**82.44**	
				Qty carried to summery			**82.44**	**Sqm**

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BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	14	
Item Name	Painting two coats on New Concrete Surface : Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For Kerb stones							
			458		0.45	0.40	82.44	
					Total Qty		82.44	Sqm
					Qty limit to		82.44	
				Qty carried to summery			82.44	Sqm

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Executive Engineer Byatarayanapura Division

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	15	
Item Name	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For Gratings			(0.30x0.30=0.09)				
21kg /Sqm		14	0.09	x	21.00	26.46	
				Total Qty		26.46	Sqm
				Qty limit to		26.46	
			Qty carried to summery			26.46	Sqm

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Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	16	
Item Name	Providing and fixing RCC 1:2:4 Precast slab for covrering using 10mm and Downsize granite jelly as per design including necessary centering, forming, Curing and finishing with CM 1:3 etc complete 100cm thick	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019				
For Covering slabs							
12th cross from 10th cross to dead end road							
			2	10.50	0.90	18.90	
			2	8.50	0.90	15.30	
			2	18.00	0.90	32.40	
			2	12.50	0.90	22.50	
missing slabs			6	2.90	0.90	15.66	
			4	3.50	0.90	12.60	
					Total Qty	**117.36**	**Sqm**
					Qty limit to	**117.36**	
				Qty carried to summery		**117.36**	**Sqm**

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Goto 117.33

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Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

Measurement sheet

1st and Final Bill

Name of Agency : Executive Engineer K.R.I.D.L

Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	17	
Item Name	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019						
For Road surface									
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road									
			1	30.00	4.50	4.80	4.65	0.125	17.44
			1	30.00	5.10	5.30	5.20	0.125	19.50
			1	30.00	5.30	5.70	5.50	0.125	20.63
13th cross from 10th cross to dead end									
			1	23.80	4.50	4.80	4.65	0.125	13.83
12th cross from 10th cross House no.12 sai priya appartment to 9th cross									
			1	30.00	3.70	3.80	3.75	0.125	14.06
			1	3.90	3.80	3.80	3.80	0.125	1.85
12th cross from 10th cross to dead end road									
			1	30.00	4.90	3.80	4.35	0.125	16.31
			1	30.00	3.80	4.30	4.05	0.125	15.19
			1	30.00	4.30	6.20	5.25	0.125	19.69

138.50

			1	2.40	6.20	6.20	6.20	0.125	1.86	
Cross road -1, 12th corr to dead end										
			1	26.80	2.50	3.50	3.00	0.125	10.05	
11th B cross from 10th cross dead end										
			1	16.50	3.20	3.20	3.20	0.125	6.60	
11th B cross from 10th cross dead end										
			1	15.00	2.10	2.20	2.15	0.125	4.03	
			1	22.30	2.20	2.00	2.10	0.125	5.85	
11th B cross from 10th cross house no.152 to dead end road										
			1	30.00	3.80	3.80	3.80	0.125	14.25	
			1	30.00	3.80	3.90	3.85	0.125	14.44	
			1	30.00	3.90	5.00	4.45	0.125	16.69	
			1	30.00	5.00	6.40	5.70	0.125	21.38	
			1	24.30	6.40	5.00	5.70	0.125	17.31	
cross road from 11th B cross to dead end										
			1	30.00	4.90	5.40	5.15	0.125	19.31	
Cross road										
			1	23.70	4.80	4.00	4.40	0.125	13.04	
							Total Qty		**283.31**	**Cum**
							Qty limit to		**275.10**	
							Qty carried to summery		**275.10**	**Cum**

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BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

Name of Work :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	18	
Item Name	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019						
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road									
			1	30.00	4.50	4.80	4.65		139.50
			1	30.00	5.10	5.30	5.20		156.00
			1	30.00	5.30	5.70	5.50		165.00
13th cross from 10th cross to dead end									0.00
			1	23.80	4.50	4.80	4.65		110.67
12th cross from 10th cross House no.12 sai priya appartment to 9th cross									
			1	30.00	3.70	3.80	3.75		112.50
			1	3.90	3.80	3.80	3.80		14.82
12th cross from 10th cross to dead end road									
			1	30.00	4.90	3.80	4.35		130.50
			1	30.00	3.80	4.30	4.05		121.50
			1	30.00	4.30	6.20	5.25		157.50
			1	2.40	6.20	6.20	6.20		14.88
Cross road -1, 12th corr to dead end									1122.87

			1	26.80	2.50	3.50	3.00		80.40	
11th B cross from 10th cross dead end										
			1	16.50	3.20	3.20	3.20		52.80	
11th B cross from 10th cross dead end										
			1	15.00	2.10	2.20	2.15		32.25	
			1	22.30	2.20	2.00	2.10		46.83	
11th B cross from 10th cross house no.152 to dead end road										
			1	30.00	3.80	3.80	3.80		114.00	
			1	30.00	3.80	3.90	3.85		115.50	
			1	30.00	3.90	5.00	4.45		133.50	
			1	30.00	5.00	6.40	5.70		171.00	
			1	24.30	6.40	5.00	5.70		138.51	
cross road from 11th B cross to dead end										
			1	30.00	4.90	5.40	5.15		154.50	
Cross road										
			1	23.70	4.80	4.00	4.40		104.28	
								Total Qty	**2266.44**	**Sqm**
								Qty limit to	**2200.80**	
								Qty carried to summery	**2200.80**	**Sqm**

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BRUHATH BANGALOR MAHANAGARA PALIKE

Executive Engineer Byatarayanapura Division

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Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	19	
Item Name	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.concrete pavement	

SL NO	CHAINAGE / Land mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	Qty	Raemarks
Measurement Recorded On :			22-08-2019						
16th cross road from Lottegollahalli main road sri lakshmi venkateshwara condiments to dead end road									
			12	5.00				60.00	
13th cross from 10th cross to dead end									
			2	4.50				9.00	
12th cross from 10th cross House no.12 sai priya appartment to 9th cross									
			4	3.70				14.80	
12th cross from 10th cross to dead end road									
			18	4.00				72.00	
Cross road -1, 12th corr to dead end									
			3	2.50				7.50	
11th B cross from 10th cross dead end									
			2	3.20				6.40	
11th B cross from 10th cross dead end									
			4	2.00				8.00	
11th B cross from 10th cross house no.152 to dead end road									

177.70

			19	4.00					76.00	
cross road from 11th B cross to dead end										
			3	5.00					15.00	
Cross road										
			3	4.40					13.20	
							Total Qty		**281.90**	**Mtr**
							Qty Limit to		**278.70**	**Mtr**

23/9/19

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Job code No :-008-19-000024

Work Order No:-BBMP/EE/BTP/WO/4442/2019-20, Dt:08.07.2019

Item NO	20	
Item Name	Lead for disposal of debris shall be payable at carrage rates by mechanical means including loading and unloading From 13.30 Kms	

SL NO	CHAINAGE / Land mark	NO	Length (m)	Bridth (m)	Depth (m)	Qty	Raemarks
Measurement Recorded On :			11-07-2019				
Qty Vide item no.1+3+4						1180.20	
For Debries		4	2.50	1.50	0.70	10.50	
				Total Qty		**1190.70**	**Cum**
	460+220.84+909.36			**Qty limit to**		**1190.60**	
	= 1640.20		**Qty carried to summery**			**1190.60**	**Cum**

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